

From boatanchors@theporch.com Sun Mar 12 17:09:22 1995  
Date: Sun, 12 Mar 1995 14:39:54 -0600  
Message-Id: <9503121955.AA10580@uvs1.orl.mmc.com>  
From: padgett@tccslr.dnet.mmc.com (A. Padgett Peterson, P.E. Information Security)  
Subject: RE: 50A1

(people not interested in the trials of T/0s and ballast tubes should tune out)

Well the 50A1 seems to be somewhat difficult to find however since its intended purpose is to maintain the proper current to the filament string in a 600 series T/0 from 90-130 vac and I suspect that we have a pretty steady 120 vac in this country, I sought an easy replacement.

This weekend I ran some experiments on a 6A40 chassis. Since the 50A1 only has a long filament and two pins in use, it seemed to be a good start for someone with limited mental ability.

Comment: the "A" battery in a T/0 is nine volts however the filament string is designed to 7.5v. My guess is that this is to give the longest possible battery life (was a major marketing angle). Can be misleading since the schematic shows the top of the string hooked directly to the "A" when on battery (fortunately the SAMs had voltage measurements lacking in the Zenith schematics).

The first attempt with just an 820 ohm 5 watt revealed that (a) this put 10v+ on the string (2v across the 1L6) and (b) it got hot (50v/50ma shoulda been more like 2.5-3 watts, how hot are power resistors supposed to run ?). At this point I started using the variac.

Kicking it up to 1100 ohms just reduced it to 9v momentarily but then started creeping back up as the 'lectros reformed. After some playing around, (not too much, only had a few 5W+ 100 ohm+ resistors) 1700 ohms seemed to be the right value to give 7.5 v on the top of the string with 120 applied.

Is interesting watching the voltage come up slowly - initial is about 2v & it takes 4-5 seconds to build completely so startup resistance much be significantly lower, still the 1700+130+700 ohms above the string compared with about 200 ohms for the string itself when hot means that even with zero at startup, the total current is not changing much.

Someone suggested trying the 12v 60ma submin lamps in series to more closely approximate the effect of the 50A1 (even considered cutting the envelope at the base, inserting the lamps, and glueing the top back on) but "blew wit" that was the non-linearity. My first attempt with five in series produced 7.5 volts on the string with only 90vac. Kept adding until I had eight in series and was still only up to 108v - too far from the 120v mains. Since the Rat Shack only had colored submins they were pretty but I gave up at that point.

Variac was very handy as I could start out low and see where 7.5v occurred rather than just hitting it with 120 and watch the 1's light up.

Now all i have to do is figure out why it gets one local station weakly if I put my hand on the chassis, but not if I connect the loop antenna...

Warmly,  
Padgett

From boatanchors@theporch.com Sun Mar 12 17:05:47 1995

Date: Sun, 12 Mar 1995 14:32:01 -0600

Message-Id: <Pine.A32.3.91c.950312095145.40438D-100000@homer10.u.washington.edu>

From: Stephen Lee <slee@u.washington.edu>

Subject: Hamfest Prices, long

I was fortunate to be able to attend the Seattle Mike & Key Hamfest for 1995 yesterday in Puyallup, Washington. There was less junk at this year's hamfest compared to last year's. Boatanchors were well represented and their condition was generally quite good. Here's a list of equipment, mostly boatanchors, that caught my eye:

Atlas 210X w/o power supply (table # 2-M9).....\$275.00  
Atlas 350XL w/parts rig & power supply, xmit problems, SOLD.....\$175.00

Collins 75A-4 w/speaker & manual.....\$675.00  
Collins 75A-3 w/speaker & manual.....\$350.00  
Collins 32V-1 w/2 spare finals, SOLD.....\$295.00  
Collins 75S-3, 32S-3, 516F2, w/xstal pack & manuals (table # 2-M7)..\$750.00  
Collins KWM-2.....\$450.00

Drake T4XC, R4C, MS4  
(probably 5 different sets at various tables, typical price).....\$435.00  
Drake TR4, MS4, SOLD.....\$ 50.00

Globe Chief Model 90, very good condition w/Hallicrafters HT-40....\$ 75.00  
Globe Scout Deluxe, fair condition, (table # 2-T11).....\$ 30.00

Hallicrafters Speaker model R46B, pristine condition, 2 slight scratches on the top, Rod Sheffer, WA7AMI, (206)244-4059, 7-8PM PST.....\$ 60.00  
Hallicrafters S40A, fine condition (table 2-M9).....\$ 65.00  
Hallicrafters S20R, junker (table 2-M9).....\$ 20.00  
Hallicrafters S53, (table 2-S9).....\$ 50.00

Hammarlund HQ 170, good cond, 2 non original knobs, new dials.....\$125.00  
Hammarlund HQ 145, good cond, missing 2 knobs, new dials, SOLD.....\$ 50.00  
Hammarlund HQ 110, good cond, original speaker, new dials, SOLD.....\$ 90.00

Heathkit HW-8, scratched top, front fine cond, w/manual.....\$150.00  
Heathkit HW-100 marked as HW-101 w/power supply.....\$ 95.00  
Heathkit HW-30 ("The Twoer" lunchbox), no power supply, fine cond...\$ 20.00  
Heathkit HW-30, same as above except excellent cond, SOLD.....\$ 20.00

Johnson 500, (table 2-S9), call Joe at (206)747-5349.....\$550.00  
Johnson Matchbox, repainted, no SWR meter, questionable cond.....\$150.00

Knight T150, transmitter, very good condition (table 1-G8).....\$100.00

Marconi TF995A FM/AM Signal Generator, pristine cond, no manuals....\$165.00  
Marconi TF801D/1 AM Signal Generator, pristine except for broken  
dial cover, no manuals, (both Marconi's at table 1-H11).....\$120.00

Morrow w/power supply, very compact boatanchor, seller had 2.....\$125.00

NC speaker, paint peeling so needing some restoration.....\$ 50.00  
National NC-88.....\$ 95.00

Swan 400 with remote VFO, SOLD.....\$ 75.00

Ten Tec Omni-D (table 2-K10) w/power supply.....\$550.00

Viking Thunderbolt (table 2-M12) fair cond, less \$45 w/o tubes.....\$225.00  
Viking Thunderbolt (table 2-M12) good cond, less \$45 w/o tubes.....\$235.00  
Viking Thunderbolt, pristine condition.....\$600.00

The Hallicrafters speaker was a beauty...I should have bought it for the  
artwork that it was. Same for the Marconi AM/FM frequency generator.  
It certainly was worthy of the Marconi nameplate. There were more Drakes and  
Swans than listed...most were in average condition, one Swan 500 SSB was  
displayed but had a not-for-sale tag on it.

73's fellow Anchorites!

Stephen Lee  
AB7HI

From boatanchors@theporch.com Sun Mar 12 20:09:37 1995  
Date: Sun, 12 Mar 1995 17:48:24 -0600  
Message-Id: <9503122349.AA35053@acs6.acs.ucalgary.ca>  
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>  
Subject: Re: Hamfest Prices, long

In message <Pine.A32.3.91c.950312095145.40438D-100000@homer10.u.washington.edu>  
writes:  
>  
(Much Deleted)

>  
> Hallicrafters Speaker model R46B, pristine condition, 2 slight scratches  
> on the top, Rod Sheffer, WA7AMI, (206)244-4059, 7-8PM PST.....\$ 60.00  
(More Deleted)  
>  
> The Hallicrafters speaker was a beauty...I should have bought it for the  
> artwork that it was.  
> 73's fellow Anchorites!  
> Stephen Lee  
> AB7HI

This must be a strange coincidence.....went to a small local flea market today here in Calgary.....this market never has anything ham related but occasionally I get a get deal on a old BC set, which I collect along with BA's.

Sitting on a table was....you guessed it....a R46B speaker in nice condition. Followed me home for \$10....the asking price, the old codger behind the table insisted it was a collector's item and refused to deal:-)

73, Deane D McIntyre VE6BPO  
dmcintyr@acs.ucalgary.ca

From boatanchors@theporch.com Sun Mar 12 23:15:27 1995  
Date: Sun, 12 Mar 1995 20:50:40 -0600  
Message-Id: <9503130251.AA20930@wrdis01.robins.af.mil>  
From: lakeith@wrdis01.robins.af.mil (Larry Keith )  
Subject: Re: Hamfest Prices, long

In your message of 12 Mar 1995 at 1544 EST, you write:

>  
> I was fortunate to be able to attend the Seattle Mike & Key Hamfest for 1995  
> yesterday in Puyallup, Washington. There was less junk at this year's  
> hamfest compared to last year's. Boatanchors were well represented and  
> their condition was generally quite good. Here's a list of equipment,  
> mostly boatanchors, that caught my eye:

Now, that's a Bone Yard Report worthy of emulation!

Thanks, I can get that into the Bone Yard Blue Book very easily!!

73,

Larry, KQ4BY

From boatanchors@theporch.com Sun Mar 12 17:05:51 1995  
Date: Sun, 12 Mar 1995 14:34:48 -0600

Message-Id: <Pine.3.89.9503121254.C17804-0100000@atlas.ce.washington.edu>  
From: "David W. Barts" <davidb@ce.washington.edu>  
Subject: Heath manuals?

At yesterday's Puyallup Ham Fest I bought two pieces of Heath test equipment: a Model TC-2 tube tester and an RF signal generator (no model number listed -- it's a gray box about 10x7x6, with a 6C4, a 12AU7, a number of coils wound on 1/2" cardboard forms, and a tuning capacitor.

Neither came with any manuals; the signal generator is not that big a deal since it looks simple enough, but I'd really like to get the manual for the tube tester so I can ensure it is properly calibrated.

My other purchase is a Datum Model 9100 BCD time code generator; no tubes in that except the nixie tubes on the front display. Makes a neat-looking 24-hour clock for the shack. Hate to think of what it cost new.

David Barts N5JRN UW Civil Engineering, FX-10  
davidb@ce.washington.edu Seattle, WA 98195

From boatanchors@theporch.com Sun Mar 12 20:57:35 1995  
Date: Sun, 12 Mar 1995 18:31:33 -0600  
Message-Id: <950312192740\_47352784@aol.com>  
From: K7YHA@aol.com  
Subject: Heathkit Gear wanted

HI Gang:

Looking for a Heathkit HW-16 with HG-10 VFO and a HR-10B receiver for my nostalgia collection. I'm pretty particular about my gear, so I want to state right up front that I'm looking for clean, unmodified gear that is worth the effort to restore. Manuals would be a help, but not essential.

73 rich K7YHA

From boatanchors@theporch.com Sun Mar 12 03:15:09 1995  
Date: Sun, 12 Mar 1995 00:54:02 -0600  
Message-Id: <Pine.3.89.9503120112.A4406-0100000@indy1>  
From: "Roberta J. Barmore" <rbarmore@indynet.indy.net>  
Subject: Re: HRO Coil Set

On Sat, 11 Mar 1995, Dave Stinson AB5S/7 wrote:  
> Can someone help me identify an HRO coil set?  
> It's black wrinkle finish, has NATIONAL on the  
> phenolic connectors on the back, and has a  
> 2"x3" paper tuning chart for 3.5-7.4 Mc under  
> a clear plastic window.

With no bandspread scale, it is almost certainly a Type JC coil set from an HRO-Jr or an HRO-5T, both of which were sold with only the "wide-tuning" coils as near as I can tell. The wide/bandspread coils were an option for the -5T, and about the only difference betwixt it and the -5TA sitting in my basement 60% recapped :) is that the -5TA came with bandspread coils.

But that's from old ads and manuals--National's "generic" HRO through HRO-5, a slightly later Rider version of same, and a National HRO-5A1 manual. (Thank you, Roy and Joe!) I have seen correspondence suggesting that the -Jrs used a different IF, but it seems unlikely.

...Surely somone on the list has a copy of Moore's "Communications Receivers," which supposedly has got better historical data on the HRO.

I don't know if I could use it--the C (3.5-7.3, switchable wide/bandspread) coilset for my -5TA seems a bit flat, but that's on 6' of wire strung in the basement, and I'm not at the point of alignment checking yet. It probably should be paired with the proper receiver, either a Jr or a -5T (the -5R's all seem to have been painted \*grey!\* Haven't verified that yet, however).

Now, if anyone out there would happen to have an H coilset for this vintage HRO, that'd be another story...! ;)

73,  
--Bobbi

From boatanchors@theporch.com Sun Mar 12 20:57:29 1995  
Date: Sun, 12 Mar 1995 18:32:14 -0600  
Message-Id: <950312192722\_47352513@aol.com>  
From: K7YHA@aol.com  
Subject: Re: HW-16/HG-10

Hi Nick:

You're a Heath collector, huh? I am looking for a Heathkit HW-16 with the HG-10 VFO in clean, unmodified condition. I have wanted one of these rigs for a long time. Know of anyone who has one and wants to part with it. I'm looking for something that is in good condx and worth the effort to restore for my small Heathkit collection.

73 rich, K7YHA

From boatanchors@theporch.com Sun Mar 12 11:41:25 1995  
Date: Sun, 12 Mar 1995 07:53:09 -0600  
Message-Id: <199503121352.IAA27289@altair.cs.unc.edu>  
From: Nick England <nick@cs.unc.edu>  
Subject: HX-11

Yep, Heath actually made some, but they aren't seen very often these days.  
I have one and have seen one more at the hamfests. It is a repainted  
DX-20. Plug in the side for xtal access, circuitry, etc. are identical  
I think, but it uses a different meter and has the green paint job  
instead of silver.

Nick KD4CPL  
Heath fanatic

From boatanchors@theporch.com Sun Mar 12 17:48:43 1995  
Date: Sun, 12 Mar 1995 15:23:14 -0600  
Message-Id: <199503122121.AA03445@cameron.geom.umn.edu>  
From: "penson" <penson@geom.umn.edu>  
Subject: Re: HX-11

John:

Nick is correct. The HX-11 was just a modernized DX-20. Heath gave the DX-20  
a new paint job and a new meter to bring the unit into line with their new  
design standards. Otherwise, the HX-11 is an exact copy of the DX-20.

The unit is very rare (much more so than the AT-1, for example) as was made  
for less than two years--from November 1961 to sometime in 1963.

Chuck

From boatanchors@theporch.com Sun Mar 12 18:55:49 1995  
Date: Sun, 12 Mar 1995 16:35:22 -0600  
Message-Id: <Pine.3.89.9503121638.A18925-0100000@Mercury.mcs.com>  
From: Bruce Haffner <haffner@Mcs.Net>  
Subject: INFOMATION

Is it possible to get a partial copy of the manuals for the KNIGHTKIT  
R-100 rcvr and V-44 VFO? Of course I will pay for them. Found the R-100 at  
a local flea market and the VFO came with a T-60 xmit. They all work but  
the rcvr needed one wire soldered.

Has anyone heard of a manual or instruction book for the SSTR-1 OSS set? I  
have a copy of the video from the training film. Anyone collect  
clandestine BAs?

BRUCE WD9GHK

From boatanchors@theporch.com Sun Mar 12 23:07:04 1995  
Date: Sun, 12 Mar 1995 20:43:50 -0600  
Message-Id: <9503130244.AA20736@wrdis01.robins.af.mil>  
From: lakeith@wrdis01.robins.af.mil (Larry Keith )  
Subject: Re: Kennehoochie 'Fest 3/18 - Any List folks?

In your message of 11 Mar 1995 at 1851 EST, you write:  
> I forgot all about the Charlotte 'Fest this weekend, and I'm behind in  
> my reading...

Too durn fur...(That was my excuse...) 8-))

> Next weekend in Hot'lanta (well, May'retta actually) is the Big Shanty  
> 'Fest.. Any list dwellers gonna make the post?

Absolutely.... Expect to be there by 0700 or so... Takes time to get  
all that junk out of the truck!! My hamfesting buddy, KA4GAO, should  
be with me.. As usual, look for the grey Ford pickup and the Bone  
Yard Assault Hat... Browsers welcome, Buyers adored!!

Might even get WB4SXR to show up with his collection of stuff for  
sale.. Rumor has it that his shed contains a couple of 545 scopes and  
a Swan 350 that must go...

I going to be awful tight with my money.. Waitin' for Dayton... But,  
if something were to show up....

> My youngest in Florida bound, and Sandy and I are giving thought to  
> driving down for a look-see...

Come on down.. I have heard some folks asking about you.. But, the  
statue of limitations has probably run out... 8-))

KM6NK, Are you going to make this one?

73,

Larry, KQ4BY

From boatanchors@theporch.com Sun Mar 12 06:38:17 1995  
Date: Sun, 12 Mar 1995 02:08:15 -0600  
Message-Id: < Pine.A32.3.91c.950311233849.47133A-100000@homer19.u.washington.edu>  
From: Stephen Lee <slee@u.washington.edu>  
Subject: NCL-2000 Linear Amp

I presently have a National Radio Company, Inc model NCL-2000 linear amplifier on loan. It uses two 8122 tetrode transmitting tubes...they are ceramic. If it works out...well, if it works period, I will be buying this beastie for \$350.00. I have the manual with schematic but do not plan to do any trouble shooting if there's something wrong with it.

Have any of you Boat Anchorites had any positive/negative experiences with this particular linear amplifier that you would be willing to share? Are there any particular weak components to watch out for, and hey, are those parts still available?

One last question...what's the procedure to get on the boat anchor newslst these days? I tried many times in the past to subscribe but the system manager had other worries to deal with. Hope things are going better for all concerned now.

Thanks folks and 73's to all  
Stephen Lee  
AB7HI

From boatanchors@theporch.com Sun Mar 12 23:47:43 1995  
Date: Sun, 12 Mar 1995 21:26:06 -0600  
Message-Id: <Chameleon.4.01.2.950312211636.jproc@>  
From: jproc@worldlinx.com  
Subject: Technical Manuals

Dear BA's,

After reading the Boatanchors FAQ file, I realized that I have a source address for technical manuals. To obtain a 16 page catalog list, send \$2US and an SASE to :

Keystone Bibliopolist  
P.O. Box 34427  
Omaha, Neb  
68134

The cost of the list can be applied as credit to the first order.  
Many manuals for AN/Grx,AN/Pxx,BC6xx, R39x equipment and much more.

.....

Another source of Boatanchors is the 'The Norfolk Navy Surplus List' It is available by sending a SASE to:

David Morgan  
W04S  
117 West City Hall Ave.  
Suite 701

Norfolk VA  
23510

(804) 552-8626

David sells transmitters, receivers, amplifiers, tubes and antenna couplers.

Hope this info is useful to someone.  
Regards,

-----  
Jerry Proc, VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
-----

From boatanchors@theporch.com Sun Mar 12 21:26:45 1995  
Date: Sun, 12 Mar 1995 19:00:18 -0600  
Message-Id: <9503130058.AA10389@cen.com>  
From: gc@fox.gsfc.nasa.gov (Gary Chatters)  
Subject: York report

Went to the York, PA hamfest this morning. I hadn't really been planning on it, but it is two more weeks to Timonium and the weather was great for a Sunday morning drive.

This hamfest is at the fairgrounds. The facilities are OK. There were not a lot of tailgaters, but enough to make it somewhat interesting.

Didn't keep good notes today. Here are a couple of items:

Tektronix 535 'scope w/ two plug-ins and cart \$20. Still there when I left.

Hickok 288AX signal generator \$25

ARC-5 transmitter (4-6Mc range, I think), "new" \$50.

SX-111, HT-37, mike, coax relay \$200 for set.

Several Drake 4-line, some very clean looking.

Didn't see a single R-390.

Various other Hallicrafters, National, etc.

My own "boatanchor" purchases (no actual tubes in them):

"The Radio Boys - Trailing a Voice" by Allen Chapman \$5  
>From a note in the front this was a Christmas gift to "Herbert"  
from his parents in 1925. Should have asked the seller if he  
knew who Herbert was. Condition good but quite musty smelling.  
Originally bought at J. W. Hale Company Book Dept. in South Manchester, CT.

General Electric "Volt-Pac" (Variac), 7.5 A \$3.  
Quite clean looking. This was my good deal of the day.

A bag of about a dozen 7 and 9 pin tube sockets \$0.25  
A bag of about 6 pieces of small Mini-ductor coils \$0.25

73,

Gary